Question Paper
ANMC Question Paper 2021 - Class 7

Exam ID : TEST/2024/01/27135121 Report Generation Date : 3/26/2024 3:00:12 PM

Q1: A sum of Rs.1500 was lent partly at 3% and partly at 5% p.a. simple interest. The total interest received after 3 years was Rs.180. The ratio of the money lent at 3% to that lent at 5% is:

A: 2:1

B: 1:1

C: 1:2

D: 3:2

Answer: B

Q2: Which of the following is the correct ascending order?

A: 5/9 < 3/4 < 4/7 < 9/13

B: 4/7 < 5/9 < 9/13 < 3/4

C: 5/9 < 4/7 < 9/13 < 3/4

D: 9/13 < 4/7 < 5/9 < 3/4

Answer: C

Q3: Which of the following is the correct descending order?

A: 11/9 > 53/47 > 21/19 > 37/34

B: 21/19 > 37/34 > 11/9 > 53/47

C: 11/9 > 21/19 > 53/47 > 37/34

D: 53/47 > 21/19 > 37/34 > 11/9

Answer: A

Q4: Find 3/5 + 11/9

A: 14/14

B: 82/14

C: 82/45

D: 33/45

Answer: C

Q5: Evaluate the following: (2/3) + (3/4 ÷ 6/7 ÷ 21/8)

A: 59/48

B: 1

C: 12/49

D: 5/3

Answer: B

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Q6: Sanjay decided to do his history homework a little bit each night. On the first night he did 1/6 of the homework, the second night he completed 1/5 of the homework, and the third night he worked 1/2 of the homework. How much of the homework has Sanjay completed?

A: 13/16

B: 11/15

C: 11/16

D: 13/15

Answer: D

Q7: A student was asked to divide a number by 8 and add 16 to the quotient. He, however, first added 16 to the number and then divided it by 8, getting 126 as the answer. The correct answer should have been?

A: 142

B: 140

C: 118

D: 136

Answer: B

Q8: If x2 + 3x - 1 = 0, then find x2 + 1/x2

A: 14

B: 10

C: 15

D: 11

Answer: D

Q9: 6 1/5 + 5 1/3 + 4 1/2 = ?

A: 487/30

B: 481/30

C: 483/30

D: 485/30

Answer: B

Q10: There are 43% of boys in a school. If the number of girls is 513, find the total number of students in the school.

A: 930

B: 900

C: 880

D: 890

Answer: B

Q11: A map is given with a scale of 2 cm = 1000 km. What is the actual distance between the two places in km, if the distance in the map is 2.8 cm?

A: 1600 km

B: 1500 km

C: 1200 km

D: 1400 km

Answer: D

Q12: What price should Rahul mark on a pair of shoes, which costs him Rs. 1260 so as to gain 12% after allowing a discount of 16%?

A: Rs. 1680

B: Rs. 1620

C: Rs. 1660

D: Rs. 1650

Answer: A

Q13: x% of 82 + 8% of 36 = 39.78, then the value of x is:

A: 40

B: 45

C: 50

D: 35

Answer: B

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Q14: If 8.25% more is gained by selling an article for Rs. 699.50 than by selling it for Rs. 650 then the cost of the article is:

A: Rs. 500

B: Rs. 550

C: Rs. 600

D: Rs. 700

Answer: C

Q15: A number decreased by 42 1/3% gives 23.067. The number is (Approx):

A: 43

B: 37

C: 40

D: 35

Answer: C

Q16: Ramesh earns Rs. 18000 per month. He spends 1/4 of his income on food; 3/10 of the remainder on house rent and 5/21 of the remainder on the education of children. How much money is still left with him?

A: Rs. 6800

B: Rs. 7200

C: Rs. 9000

D: Rs. 8200

Answer: B

Q17: Rationalize the denominator: 5/[8 + 3(6)1/2]

A: [8 - 3(6)1/2]/5

B: [8 - 3(6)1/2]/3

C: [8 - 3(6)1/2]/2

D: [8 - 3(6)1/2]

Answer: C

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Q18: Rationalize the denominator: 13/[(34)1/2 + (21)1/2]

A: (34)1/2 + (21)1/2

B: (34)1/2 - (21)1/2

C: -(34)1/2 - (21)1/2

D: -(34)1/2 + (21)1/2

Answer: B

Q19: If x – 1/x = 3 then find the value of x3 + 1/x3 - 5(13)1/2

A: 4(13)1/2

B: (13)1/2

C: 13

D: 5(13)1/2

Answer: D

Q20: Solve: 524 – 124(53 + 1) (56 + 1) (512 + 1) + 5

A: 1

B: 5

C: 6

D: 0

Answer: C

Q21: Simplify: (a + b)3 + (a – b)3 -2a3- 5ab2

A: ab

B: ab3

C: ab2

D: a2b

Answer: C

Q22: If a/b + b/a = -1 then find the value of (a3 – b3)/5

A: 0

B: 1

C: 2

D: -1

Answer: A

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Q23: Divide 3/10 by (1/4 of 9/5)

A: 3/2

B: 2/3

C: 5/6

D: 6/5

Answer: B

Q24: Multiply the following fractions: 9 2/7 × 5 5/6

A: 235/7

B: 275/6

C: 325/6

D: 312/7

Answer: C

Q25: What is the square of product of 31/129 and its reciprocal?

A: 4/9

B: 1/4

C: 1/9

D: 1

Answer: D

Q26: A man gave 1/5 of his salary for rent, and 1/4 of the remaining for the grocery bills. Find the amount of money still left with the man, if his salary was Rs. 42,000.

A: Rs. 25200

B: Rs. 25210

C: Rs. 25220

D: Rs. 25250

Answer: A

Q27: A student was asked to multiply a number by 7/9. Instead he divided it with 7/9 and got an answer 48 more than the correct answer. Find the number.

A: 263/4

B: 175/2

C: 277/4

D: 189/2

Answer: D

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Q28: In a fraction the numerator is 7 less than the denominator. If one is added to the numerator and the denominator the denominator of the resultant fraction is double the numerator. Find the fraction.

A: 8/15

B: 6/13

C: 3/10

D: 5/12

Answer: B

Q29: Give a simple fraction for 2.48

A: 62/25

B: 30/13

C: 25/11

D: 54/23

Answer: A

Q30: How many 3/8 kg pieces can be cut from a cake of weight 12 kg?

A: 24

B: 48

C: 40

D: 32

Answer: D